

What is claimed is:

- 1) A nonwoven article comprising from about 6 to about 25 wt. % of low melt binder, synthetic and /or natural fiber coated with an FR resin material, and uncoated synthetic and/or natural fiber.
- 2) The nonwoven article of claim 1, wherein said FR resin material contains phosphorus, phosphorus compound(s), red phosphorus, esters of phosphorus, and phosphorus complexes; amine compounds, boric acid, bromide, urea-formaldehyde compound(s), phosphate-urea compound(s), ammonium sulphate, or halogen based compounds.
- 3) The nonwoven article of claim 1, wherein said uncoated synthetic fiber is selected from the class of rayon, polyester, nylon, polyolefin, acrylic, and combinations of two or more of these.
- 4) The nonwoven article of claim 3, wherein said synthetic fiber is inherent FR rayon.
- 5) The nonwoven article of claim 3, wherein said synthetic fiber is inherent FR polyester.
- 6) The nonwoven article of claim 1, wherein said uncoated natural fiber is selected from the class of flax, kenaf, hemp, cotton, wool, silk, and combinations of two or more of these.
- 7) The nonwoven article of claim 1, wherein said low melt binder is a bicomponent fiber, a low melt polymer fiber, or a latex resin.

- 8) The nonwoven article of claim 1, wherein said synthetic and /or natural fiber coated with an FR resin material comprises from about 25 to about 75 wt. % of said article.
- 9) The nonwoven article of claim 1, wherein said uncoated synthetic and /or natural fiber comprises from about 20 to about 70 wt. % of said article.
- 10) The nonwoven article of claim 1, wherein said low melt binder is a bicomponent fiber, said coated natural fiber is cotton, and said uncoated synthetic fiber is a blend of PET and modacrylic fibers.
- 11) The nonwoven article of claim 10, wherein said bicomponent fiber is 15 wt % of said article, said cotton is 40 wt. % of said article, said PET is 30 wt. % of said article, and said modacrylic is 15 wt. % of said article.
- 12) The nonwoven article of claim 1, wherein said low melt binder is a bicomponent fiber, said coated synthetic fiber is rayon, and said uncoated synthetic fiber is a blend of PET and modacrylic fibers.
- 13) The nonwoven article of claim 12, wherein said bicomponent fiber is 20 wt % of said article, said rayon is 30 wt. % of said article, said PET is 20 wt. % of said article, and said modacrylic is 30 wt. % of said article.
- 14) The nonwoven article of claim 12, wherein said bicomponent fiber is 15 wt % of said article, said rayon is 30 wt. % of said article, said PET is 25 wt. % of said article, and said modacrylic is 30 wt. % of said article.
- 15) The nonwoven article of claim 1, wherein said low melt binder is bicomponent fiber, said FR coated synthetic fiber is rayon, and said uncoated synthetic fiber is PET.

- 16) The nonwoven article of claim 15, wherein said bicomponent fiber is 20 wt. % of said article, said FR rayon fiber is 50 wt. % of said article, and said uncoated PET fiber is 30 wt. % of said article.
- 17) The nonwoven article of claim 15, wherein said bicomponent fiber is 15 wt. % of said article, said FR rayon fiber is 40 wt. % of said article, said uncoated PET fiber is 15 wt. % of said article.
- 18) A nonwoven article comprising: from about 6 to about 25 wt. % of low melt binder, inherent FR fiber, and other synthetic and/or natural fiber.
- 19) The nonwoven article of claim 18, wherein said inherent FR fiber incorporates phosphorus or phosphorus compounds, an amine, modified aluminosilicate, or halogen based compounds.
- 20) The nonwoven article of claim 18, wherein said other synthetic fiber is selected from the class of rayon, polyester, nylon, polyolefin, acrylic, and combinations of two or more of these.
- 21) The nonwoven article of claim 18, wherein said other natural fiber is selected from the class of flax, kenaf, hemp, cotton, wool, silk, and combinations of two or more of these.
- 22) The nonwoven article of claim 18, wherein said low melt binder is a bicomponent fiber, a low melt polymer fiber, or a latex resin.
- 23) The nonwoven article of claim 18, wherein said low melt binder is bicomponent fiber, said inherent FR fiber is rayon, polyester, or both; and said other synthetic fiber is polyester.

- 24) The nonwoven article of claim 23, wherein said inherent FR fiber is rayon, and said other synthetic fiber is PET.
- 25) The nonwoven article of claim 24, wherein said bicomponent fiber is 20 wt. % of said article, said rayon is 50 wt. % of said article, and said PET is 30 wt. % of said article.
- 26) The nonwoven article of claim 24, wherein said bicomponent fiber is 20 wt. % of said article, said rayon is 40 wt. % of said article, and said PET is 40 wt. % of said article.
- 27) The nonwoven article of claim 23, wherein said bicomponent fiber is 15 wt. % of said article, said inherent FR fiber is both 40 wt. % rayon and 30 wt. % polyester, and said other synthetic fiber is 15 wt. % PET.
- 28) The nonwoven article of claim 23, wherein said bicomponent fiber is 15 wt. % of said article, said inherent FR fiber is 30 wt. % PET, said polyester is 15 wt.%, and additionally comprising 40 wt. % FR coated rayon.
- 29) A nonwoven article comprising: a combination low melt binder and FR resin, FR coated synthetic or natural fiber, and other synthetic or natural fiber.
- 30) The nonwoven article of claim 29, wherein said FR coated synthetic fiber is rayon, and said other synthetic fiber is modacrylic and polyester.
- 31) The nonwoven article of claim 30, wherein said combination low melt binder and FR resin comprises 15 wt. % add-on of said FR coated synthetic or natural fiber, and other synthetic or natural fiber.

- 32) The nonwoven article of claim 30, wherein said rayon is 30 wt. % of said article, said modacrylic is 30 wt. % of said article, and said polyester is 30 wt. % of said article.